

Review answers 2.4 SM3H

1. $7x^2$
2. $\frac{4s}{3}$
3. $\frac{2x-1}{3}$
4. $\frac{x+3}{2x+3}$
5. $\frac{3x}{x+5}$
6. $\frac{y^2(x-2)}{6x(x+2)}$
7. $\frac{(3x+2)(y+1)}{2y(x+3)}$
8. $\frac{4s-10}{(s+2)(s-4)}$
9. $\frac{-2x-26}{x+7}$
10. $\frac{-2x^2+16x-13}{(x+4)(x-3)}$
11. $\frac{12x^2-5x+40}{(x-5)(4x+1)}$
12. $x = -5, 2 \text{ and } x \neq 0$
13. $p = -2 \text{ and } x \neq 0, -1, x = 0 \text{ extraneous}$
14. $x = \frac{8}{5} \text{ and } x \neq 2, 1$
15. $x = -3 \text{ and } x \neq 0, -4, x = 0 \text{ extraneous}$
16. $x = -2, x \geq -\frac{7}{3}$
17. $x = 121, x \geq 0$
18. $x = 343$
19. $x = 133$
20. $x = 72, x \geq -9$
21. $x = 7, 3, x \geq \frac{5}{2}$
22. $x = 18, x \geq 9$
23. $x = 3, -13$